

International Bureau





(43) International Publication Date 21 October 2004 (21.10.2004)

PCT

(10) International Publication Number WO 2004/091000 A3

(51) International Patent Classification⁷: H05B 33/12

H01L 51/20,

(21) International Application Number:

PCT/EP2004/050475

(22) International Filing Date:

7 April 2004 (07.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0308161.9

9 April 2003 (09.04.2003) GB

(71) Applicants and

- (72) Inventors: GUSTAR, Robert [GB/GB]; c/o One2See Limited, Unit 5a, Watchmoor Trade Centre, Watchmoor Road, Camberley, Surrey GU15 3AJ (GB). WALTER, Mark [GB/GB]; Southgate, 2 Pitt Road, Epsom, Surrey KT17 4ET (GB). BOBECKYJ, Mike [GB/GB]; 14 Burne-Jones Drive, College Farm, Sandhurst, Berkshire GU47 0FS (GB).
- (74) Agent: TALBOT-PONSONBY, Daniel, Frederick; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

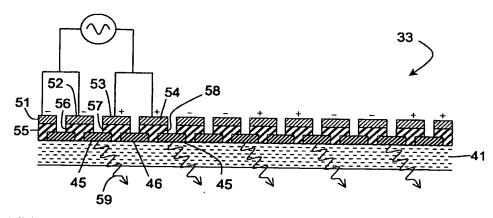
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- (88) Date of publication of the international search report: 28 April 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

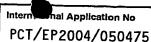
(54) Title: SEGMENTED ELECTROLUMINESCENT PANEL



(57) Abstract: A light-emitting panel comprises a transparent substrate having a plurality of electroluminescent elements on the surface thereof. Dielectric elements are located between the electroluminescent elements, each being in contact with a conductive element in contact with the dielectric elements. A voltage can be applied across each electroluminescent element without the need for an expensive transparent conductive layer.



INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L51/20 H05B H05B33/12 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G09F H05B H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ⁴ Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 99/30304 A (PHILLIPS PLASTICS CORP) 1,2 17 June 1999 (1999-06-17) page 5, line 19 - page 6, line 12; figures Α 3 - 311,2,6 WO 00/48166 A (HUBBELL DAVID) Α 1 - 3117 August 2000 (2000-08-17) cited in the application abstract; figure 2 Α DE 201 20 997 U (MOSER HELMUT) 1 - 3128 March 2002 (2002-03-28) the whole document X DE 201 20 643 U (CHANG PENG KUAN) 13 21 March 2002 (2002-03-21) abstract; figure 3 1-12 14-31 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 January 2005 01/02/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016 Pavlov. V

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation No
PCT/EP2004/050475

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9930304	A	17-06-1999	AU CA EP JP WO US	1633499 A 2313468 A1 1042745 A1 2001526444 T 9930304 A2 6255776 B1	28-06-1999 17-06-1999 11-10-2000 18-12-2001 17-06-1999 03-07-2001
WO 0048166	A	17-08-2000	AU WO US	3694700 A 0048166 A1 6422714 B1	29-08-2000 17-08-2000 23-07-2002
DE 20120997	Ü	28-03-2002	DE EP	20120997 U1 1323807 A2	28-03-2002 02-07-2003
DE 20120643	U	21-03-2002	DE	20120643 U1	21-03-2002